

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: October 27, 2005

Inspector: Brian Sakidovitch

Location: 345kV Underground Route

Storm/

Rain Event: An additional 1.8" of rain fell over 10/24-10/25 bringing October's total rainfall to 15 inches which is an 11-inch departure from the average.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	<ul style="list-style-type: none"> - Trenching, pipe installation, and sawcutting operations continue in several locations along Rt. 7 in Wilton during the night including near Allens Meadow. 10/27/05 - Trenching and pipe installation, continued during the day along Umpawaug Road which is closed to through traffic. 10/5-10/27/05 -The jack and bore near Allens Meadows Park is nearly complete. The northern (receiving) pit is almost complete and the turbidity issues have lessened. 10/27/05 - The Horizontal Direction Drill at School Rd. is in better shape following the repairs made late last week. 10/27/05 - Vault work had occurred in the Rt. 107/7 intersection island. 10/27/05 	<ul style="list-style-type: none"> -More of the work noted is just off the roadway edge and seems contained for the most part but there are a few issues that require attention. Continue to provide attention to any off- road areas that need restoration. Continue providing good "house-keeping" along the roadways. 10/27/05 -Erosion controls were down in some spots due to active work but will be repaired. 10/27/05 -See erosion control section for more details. 10/27/05 - See erosion control section for more details. 10/27/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm)	<ul style="list-style-type: none"> - Reseeding/restoration was noted in some areas and more is scheduled for the coming week. 10/27/05 	<ul style="list-style-type: none"> - Continue to restore disturbed areas in the appropriate time frame as per the D&M plan. 10/27/05

Areas of Inspection	Observation	Recommended Action
event)		
Erosion and Sediment Controls (continued) Route 7	<ul style="list-style-type: none"> - Attempt to control all catch basins as well as outlet points off the road when work is in the vicinity. Haybales were observed in some catch basins at the time of inspection. 10/27/05 - Silt fence was pushed down at the base of slope near #475 Rt 7 at Olmstead Hill Rd. Some disturbance was adjacent on the side of the road. 10/5-10/27/05 -The northern (receiving) pit at the jack and bore is being backfilled and the use of the settling basin is winding down. 10/27/05 -The silt fence on the northern side of the stream was down as a result of the active work. 10/27/05 -Sediment accumulation was noted in the stream at the outlet and near the bridge culvert and this will need to be removed now that work is done. 10/27/05 - At the HDD, the low detention area with the stone berm and haybales at the perimeter was still functioning. Controls beyond the basin were slightly degraded. 10/27/05 - Sediment accumulations had been removed from the wetland and channels effectively. 10/27/05 	<ul style="list-style-type: none"> - Make sure that haybales are placed in the catch basins during the nightwork and continue to maintain them. Filter fabric is also an accepted measure if haybales are difficult to maintain. 10/27/05 -Repair and maintain fence or provide restoration as needed. 10/27/05 -Issues here are lessened due to closing up the area. The town will be using the basin for a sewer project so it will remain in place. 10/27/05 - The fence will be restored when the backfill work is complete. 10/27/05 -The least impacting way to remove the sediment is likely by hand/shovel. It should be done carefully and with the instream controls in place. 10/27/05 -Continuing to repair all erosion control lines, will provide additional barriers to sediment. 10/27/05 - Continue to monitor for any future breakouts

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<p>Erosion and Sediment Controls (continued)</p> <p>Rt. 107 Daywork</p>	<ul style="list-style-type: none"> - A portion of the site where brush clearing, disturbance and stone piling occurred to the east needed to be encompassed in more silt fence. 10/19-10/27/05 - Catch basin protection was not noted near the vault installation at the Rt. 107/7 intersection or the roadside work near Allens Meadow (north of the high school) - Landowner activities by the storage area near #848 (Rt.7) have again resulted in some downed silt fence and sediment into the adjacent wetland swale. 10/27/05 - BSC did note haybales on most catch basins along Umpawaug Rd. but some areas required more. 10/27/05 - Vac trucks have been used but some sediment was noted on the edge of the roadway. 10/27/05 - The wet swale near Parsons Lane had been placed with haybale check dams and the haybale remained in place at the end of the swale. 10/27/05 - A storage area just at the Umpawaug Rd./Rt. 107 intersection needs additional silt fence to encompass the disturbed area. 10/13-10/27/05 - Work near the Diamond Hill Rd. end of Umpawaug Rd. had some small stockpiles/bare soil without controls.10/27/05 	<ul style="list-style-type: none"> - Extend the silt fence to enclose this piece. 10/27/05 - Install haybales or filter fabric in both locations as there was muddy, disturbed soil noted here. 10/27/05 - In general, catch basins should also be cleaned regularly and roadways swept of sediment attributed to the project. 10/19/05 -Restore the area with grading (including the original channel) seed and mulch when work is done here. 10/27/05 - Install additional fence as needed. 10/27/05 - The area should be placed with controls as it is immediately upgradient from a swale. 10/27/05
<p>Adjacent Wetlands and Waterways</p>	<p>-At the jack and bore near Allens Meadow Park, the stream has some remaining.</p>	<p>- Hand shoveling is likely the best solution but very careful vac truck use may be an</p>

Areas of Inspection	Observation	Recommended Action
	<p>accumulated sediment. 10/27/05</p> <p>- The accumulated sediment had been removed well from the wetlands beyond the HDD work. 10/27/05</p>	<p>option depending on the amount of sediment. 10/27/05</p> <p>- Continue to monitor. 10/27/05</p>
Staging, Storage, and Parking Areas	<p>- The silt fence at the equipment storage yard located on property south of the Rt. 7 & 107 intersection is down in some of the areas closest to the road due to landowner activities. 10/27/05</p> <p>- Additional silt fence is required at the School Rd. HDD area along the eastern side to encompass the disturbed area and brush piles with an additional barrier. 10/19-10/27/05</p> <p>- The racquet club storage yard is very active with a lot of materials. Make sure inlets here are protected.</p>	<p>- In general, materials should be placed appropriately in storage areas or immediately adjacent to work each night. No potentially spillable materials should be left behind or out overnight. 10/27/05</p> <p>- Install the additional fence as soon as possible. 10/27/05</p> <p>- Keep within the limits of the yard and don't encroach into the brush. 10/27/05</p>
Soils	<p>- Most soils along the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. However, any soils from the work in Redding which meet the RSR levels are being used in the landfill as daily cover.</p> <p>- Backfill soils are allowed to be stored along Umpawaug Rd. but only for the day. If stored longer, silt fence must be installed. 10/5-10/27/05</p> <p>- Small stockpiles were noted here at the Diamond Hill end and need silt fence/controls. 10/27/05</p>	<p>- Soils appear to be handled appropriately. 10/27/05</p> <p>- The DPW may request some of the soil for roadside work if soil tests results are appropriate. 10/5-10/27/05</p>
State species of concern, threatened and endangered species	<p>- No species of concern are located in this area of construction.</p>	<p>- N/A</p>

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Vegetative clearing limits (including trees to save or danger trees noted)	-Restoration is planned for the coming week in additional locations. 10/27/05	- Attend to disturbed areas in the appropriate time frames. 10/27/05
Dewatering	-Dewatering that occurs within the trench work along Rt. 107 and Rt. 7, and Umpawaug Rd. is being directed to a frac tank truck. -The jack and bore is almost completed and dewatering is not required to the same extent it had been. 10/27/05	- It could be determined whether the watershed basin is stressed due to removal of the groundwater. -The basin will be used for a town sewer project following the completion of the 345kV work here. 10/27/05
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. Materials had been stored well at this inspection. 10/27/05	- The contractors should remain vigilant about securing and handling fuel containers. - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - Check equipment status on a regular basis and keep spill kits on hand. - Report spills immediately, even if they are being controlled.
Additional Observations	- Adjacent work on the roadway has resulted in some observed damage to cable guardrails on Rt. 107. 9/29-10/27/05	

Next likely scheduled inspection:

Wednesday, November 2, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Brian Sakidovitch



345kV (Umpawaug Rd Daywork): The photo on the left shows some sediment along the edge of the road which should be contained. The photo on the right shows haybale check dams placed in the wet swale. Continue to regrade any ruts here. 10/27/05



View of the trenching operation along Umpawaug Rd. Be sure to place all stockpiles back within the trench at the end of the day. Otherwise, silt fence is needed at their base. 10/27/05



345kV The photo on the left shows work continuing along Umpawaug near the Diamond Hill Rd. intersection. Erosion controls should be installed, especially downgradient of the stockpile. Photo on the right shows work around the vault in the island between Rt. 7 and 107. 10/27/05



345kV (Route 7): Photo on the left shows a swale across from #848 Rt. 7 near the storage yard that has sediment accumulation. It is unsure whether this is from the project or something else. Photo on the right shows silt fence down at the same storage yard. 10/27/05



345kV (Wilton HS): Overall view of the settling basin where conditions have remained fairly constant since repairs were made last week. 10/27/05



The northern receiving pit was being backfilled at the time. Erosion controls were knocked down during the work but will be repaired. 10/27/05



345kV Horizontal Directional Drill: View of the bore operation under the detention area that was built and placed with stone to hold any stormwater that runs through the area. Further views of the haybale and berm line. 10/27/05



Photo on the left shows an area behind the berm and haybale line where repair to the additional erosion controls would add further barriers to sediment in the wetland. Photo on the right shows where stone and brush piles were placed beyond the erosion controls and should be pulled back on site. 10/27/05